

Review Worksheet #19

Section 1 - Multiple Choice

1) $12 - 2(3 + 2)^2 = \underline{\hspace{2cm}}$

- (a) 250
(b) 100
(c) -8
(d) -38

2) Roberto has an apple orchard. Today, he harvested $27\frac{1}{3}$ bushels. At the end of each day, he will sell these apples to 5 different merchants. If the apples are split amongst the merchants evenly, how many bushels will each person receive?

- (a) $5\frac{1}{15}$
(b) $5\frac{1}{5}$
(c) $5\frac{7}{15}$
(d) $5\frac{4}{5}$

3) Stephanie is about to simplify the expression below. What is the correct simplification of Stephanie's expression?

$$\frac{1}{3}\left(\frac{7}{2}x - 3\right)$$

- (a) $\frac{7}{6}x - 1$
(b) $\frac{7}{5}x - 9$
(c) $\frac{7}{6}x - 9$
(d) $\frac{7}{5}x - 6$

4) Rewrite $6\frac{11}{21}$ as a decimal rounded to the nearest hundredth.

- (a) 6.5
(b) 6.52
(c) 6.53
(d) 6.54

5) Solve.

$$(-12) - (9) - (-7) =$$

- (a) -28
- (b) -14
- (c) -10
- (d) -4

6) Solve.

$$(-6) - (14) - (-5) =$$

- (a) -25
- (b) -15
- (c) -13
- (d) -3

7) Solve.

$$\frac{2}{3} \div \frac{3}{4} =$$

- (a) $\frac{1}{2}$
- (b) $\frac{8}{9}$
- (c) $\frac{9}{8}$
- (d) $1\frac{1}{9}$

8) Bill rides the city bus ten times each week. Each trip costs him \$1.50. His friend Sarah rides the same number of times, but she uses a 12-ride pass that costs the same as ten bus rides. How much will Sarah save after six weeks using the pass?

- (a) \$90.00
- (b) \$18.00
- (c) \$15.00
- (d) \$10.00

9) Find the value for z below.

$$5(2^2 + 3) + 4 - 3 \times 2 = z$$

- (a) 23
- (b) 33
- (c) 62
- (d) 113

10) Markus bought three pieces of lace. The first piece was cut one yard in length and each of the other pieces was cut $\frac{3}{8}$ of a yard longer than the piece before it. Which was the total number of yards for all three pieces?

- (a) $1\frac{3}{4}$
- (b) $2\frac{3}{4}$
- (c) $3\frac{3}{4}$
- (d) $4\frac{1}{8}$

11) Subtract.

$$15 - 11.08 =$$

- (a) 4.92
- (b) 4.08
- (c) 3.92
- (d) 3.08

12) At 9:00 AM, the temperature was -14 degrees Celsius. If the temperature increased two degrees per hour, what was the temperature at 6:00 P.M.?

- (a) -1 degree Celsius
- (b) 0 degrees Celsius
- (c) 4 degrees Celsius
- (d) 18 degrees Celsius

13) A student types at a rate of 30 words per minute. How many minutes will it take to type 960 words?

- (a) 30
- (b) 31
- (c) 32
- (d) 33

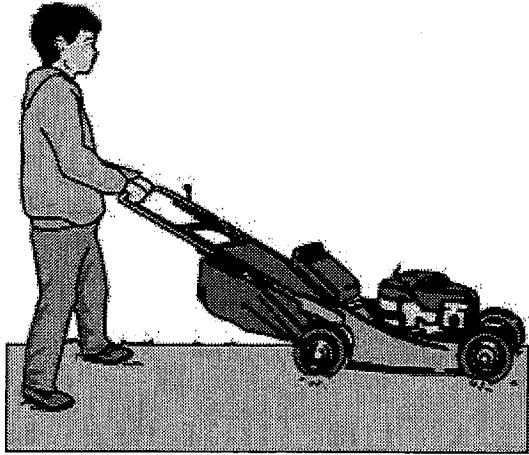
14) Solve.

$$7\frac{1}{2} \div \frac{5}{8}$$

- (a) 2
- (b) $\frac{35}{16}$
- (c) $\frac{75}{16}$
- (d) 12

15)

Phil has set up a deal with the Millers to mow their yard every week for \$15.00. Phil is planning on saving at least \$10 each week and he hopes to buy an mp3 player before the start of school. Phil already has \$60 saved with 7 weeks remaining. The player he wants costs \$149.99. How much does Phil need to save each week in order to make his purchase?



- (a) \$10.00
- (b) \$12.86
- (c) \$13.75
- (d) Phil will not have enough money even if he saves all \$15.00 each week.

16) Angela plans on starting up her own greeting card business. Her initial costs include \$1400 for a computer and printer and an ad for \$50 a week for 4 weeks. How many cards must she sell to equal or exceed her initial costs, if she sells each card for \$1.99?

- (a) 704
- (b) 729
- (c) 754
- (d) 805

17) Leslie plans to put one-half of her paycheck into her savings account and one-fourth of her paycheck into her checking account. She plans to spend one-eighth of her paycheck on new shoes and one-eighth of her paycheck on new books. How much will Leslie spend on new shoes if her paycheck is \$416?

- (a) \$26
- (b) \$52
- (c) \$104
- (d) \$208

18) Evaluate the following expression:

$$30 - 3^2 + 4 \times 5$$

- (a) 41
- (b) 44
- (c) 749
- (d) 769

20) Norma and Scott had a small summer business cutting grass. They cut small yards for \$15.00 and large yards for \$20.00. Each week, they cut 5 small yards and 3 large yards. After ten weeks, how much money had they earned?

- (a) \$135
- (b) \$350
- (c) \$1,350
- (d) \$1,450

19) Paul purchased 6 small tables for \$230 to resell at his store. Over the next month, he sold the six tables for \$52 each. How much profit did he make on the sale of the tables?

- (a) \$52
- (b) \$62
- (c) \$72
- (d) \$82